

1) Define secondary growth

Secondary growth is an increase in girth (width) of a plant initiated by cell divisions in lateral meristems.

2) Name the meristematic tissue responsible for secondary growth in stems.

Lateral meristems.

3) What are the 2 types of cambium? Write one difference between them?

(i) Cork Cambium

(ii) Vascular Cambium

Cork cambium originates from cortex or pericycle. Vascular cambium exists in bundles between the xylem and phloem.

4) Explain how bark of a tree is formed? How does it act as a protective tissue.

As plants grow older, the outer protective tissue undergoes certain changes. A strip of secondary meristem replaces the epidermis of stem. Cells on the outside are cut off from this layer. This forms the bark.